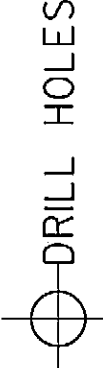
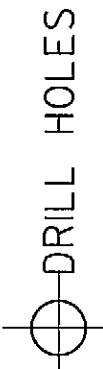
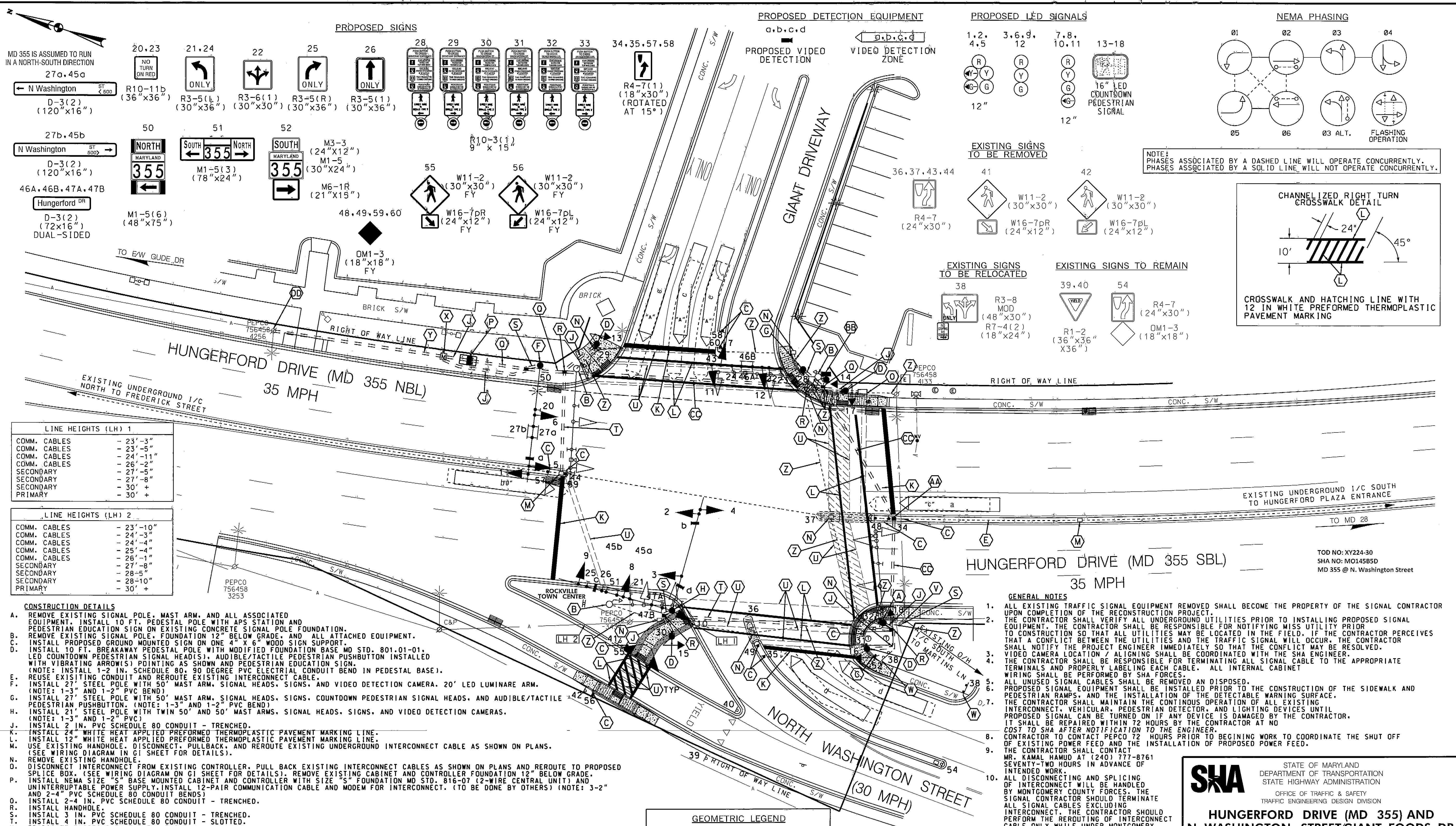


BORDER REV. DATE: June 1, 2004



BY: \$USER\$



LINE HEIGHTS (LH) 1	
COMM. CABLES	- 23'-3"
COMM. CABLES	- 23'-5"
COMM. CABLES	- 24'-11"
COMM. CABLES	- 26'-2"
SECONDARY	- 27'-5"
SECONDARY	- 27'-8"
SECONDARY	- 30' +
PRIMARY	- 30' +

LINE HEIGHTS (LH) 2	
COMM. CABLES	- 23'-10"
COMM. CABLES	- 24'-3"
COMM. CABLES	- 24'-4"
COMM. CABLES	- 25'-4"
COMM. CABLES	- 26'-1"
SECONDARY	- 27'-8"
SECONDARY	- 28'-5"
SECONDARY	- 28'-10"
PRIMARY	- 30' +

- CONSTRUCTION DETAILS**
- REMOVE EXISTING SIGNAL POLE, MAST ARM, AND ALL ASSOCIATED EQUIPMENT. INSTALL 10 FT. PEDESTAL POLE WITH APS STATION AND PEDESTRIAN EDUCATION SIGN ON EXISTING CONCRETE SIGNAL POLE FOUNDATION.
  - REMOVE EXISTING SIGNAL POLE, FOUNDATION 12" BELOW GRADE, AND ALL ATTACHED EQUIPMENT.
  - INSTALL PROPOSED GROUND MOUNTED SIGN ON ONE 4" X 6" WOOD SIGN SUPPORT.
  - INSTALL 10 FT. BREAKAWAY PEDESTAL POLE WITH MODIFIED FOUNDATION BASE MD STD. 801.01-01. LED COUNTDOWN PEDESTRIAN SIGNAL HEAD(S), AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON INSTALLED WITH VIBRATING ARROW(S) POINTING AS SHOWN AND PEDESTRIAN EDUCATION SIGN. (NOTE: INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BEND IN PEDESTAL BASE).
  - REUSE EXISTING CONDUIT AND REROUTE EXISTING INTERCONNECT CABLE.
  - INSTALL 27" STEEL POLE WITH 50' MAST ARM, SIGNAL HEADS, SIGNS, AND VIDEO DETECTION CAMERA. 20' LED LUMINARE ARM. (NOTE: 1-3" AND 1-2" PVC BEND)
  - INSTALL 27" STEEL POLE WITH 50' MAST ARM, SIGNAL HEADS, SIGNS, COUNTDOWN PEDESTRIAN SIGNAL HEADS, AND AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON. (NOTE: 1-3" AND 1-2" PVC BEND)
  - INSTALL 21" STEEL POLE WITH TWIN 50' AND 50' MAST ARMS, SIGNAL HEADS, SIGNS, AND VIDEO DETECTION CAMERAS. (NOTE: 1-3" AND 1-2" PVC)
  - INSTALL 2 IN. PVC SCHEDULE 80 CONDUIT - TRENCHED.
  - INSTALL 24" WHITE HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.
  - INSTALL 12" WHITE HEAT APPLIED PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE.
  - USE EXISTING HANDHOLE, DISCONNECT, PULLBACK, AND REROUTE EXISTING UNDERGROUND INTERCONNECT CABLE AS SHOWN ON PLANS. (SEE WIRING DIAGRAM IN G1 SHEET FOR DETAILS).
  - REMOVE EXISTING HANDHOLE.
  - DISCONNECT INTERCONNECT FROM EXISTING CONTROLLER, PULL BACK EXISTING INTERCONNECT CABLES AS SHOWN ON PLANS AND REROUTE TO PROPOSED SPLICE BOX. (SEE WIRING DIAGRAM ON G1 SHEET FOR DETAILS). REMOVE EXISTING CABINET AND CONTROLLER FOUNDATION 12" BELOW GRADE.
  - INSTALL NEMA SIZE "S" BASE MOUNTED CABINET AND CONTROLLER WITH 12" S" FOUNDATION MD STD. 816-07 (2-WIRE CENTRAL UNIT) AND UNINTERRUPTIBLE POWER SUPPLY. INSTALL 12-PAIR COMMUNICATION CABLE AND MODEM FOR INTERCONNECT. (TO BE DONE BY OTHERS) (NOTE: 3-2" AND 2-4" PVC SCHEDULE 80 CONDUIT BENDS)
  - INSTALL 2-4 IN. PVC SCHEDULE 80 CONDUIT - TRENCHED.
  - INSTALL HANDHOLE.
  - INSTALL 3 IN. SCHEDULE 80 CONDUIT - TRENCHED.
  - INSTALL 4 IN. PVC SCHEDULE 80 CONDUIT - SLOTTED.
  - ERADICATE EXISTING PAVEMENT MARKING.
  - DISCONNECT, PULLBACK, AND REROUTE EXISTING OVERHEAD INTERCONNECT AS SHOWN ON PLANS (SEE WIRING DIAGRAM IN G1 SHEET FOR DETAILS).
  - REMOVE EXISTING SIGNS FROM EXISTING SUPPORTS AND RELOCATE TO PROPOSED LOCATIONS ON 4" X 6" WOOD SIGN SUPPORTS.
  - INSTALL EMBEDDED METEDED PEDestal WITH 3-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE ELBOW BENDS IN PEDestal.
  - INSTALL 4" PVC SCHEDULE 80 ELECTRICAL CONDUIT TRENCHED, TO BASE OF UTILITY POLE (#PEPCO 756458-4133 FOR ELECTRIC)
  - INSTALL 3" OF CONDUIT STUB OUT FOR POWER.
  - CAP AND ABANDON EXISTING CONDUIT.
  - AA. INSTALL HANDHOLE INTERCEPT EXISTING CONDUIT FROM SOUTH. CAP AND ABANDON EXISTING CONDUIT GOING NORTH AFTER REROUTING ALL INTERCONNECT CABLES.
  - BB. INSTALL INTERCONNECT SPLICE BOX WITH 10 FT. STEEL PEDESTAL POLE WITH MODIFIED BREAKAWAY BASE STANDARD NO. MD 801.01-01. CUT AND CAP POLE TO 5 FT. SPLICE EXISTING INTERCONNECT FROM HUNGERFORD PLAZA, FREDERICK ST. AND MARTINS LN TO PROPOSED 12 PAIR INTERCONNECT CABLES AND RUN THROUGH PROPOSED CONDUIT SYSTEM TO CABINET. (NOTE: SPLICE BOX TO BE INSTALLED BY MONTGOMERY COUNTY FORCES).
  - CC. INSTALL 2 - 4 IN. PVC SCHEDULE 80 CONDUIT - SLOTTED.
  - DD. INSTALL 3 INCH ELECTRICAL CONDUIT - PVC RISER ON EXISTING UTILITY POLE.

GEOMETRIC LEGEND	
=====	EXISTING
-----	PROPOSED

UTILITY LEGEND	
SD	STORM DRAIN
G	GAS MAIN
W	WATER MAIN
S	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES
F	FIBER-OPTIC

APPROVALS	
TEAM LEADER	
ASST. DIR. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

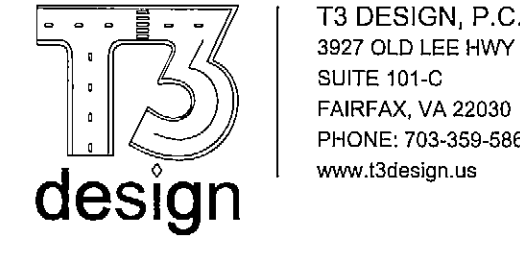
REVISIONS	
6/12/2013 - FULL SIGNAL REBUILD	
SHA NO. 1: XY22451851 TMS NO. 1380	
6/26/2013 - REPLACE LED DETECTION WITH VIDEO CAMERAS	
SHA NO. 1: AT72451851 TMS NO. 0590	
6/10/2013 - INSTALLED PED HEAD AND CROSSWALK	
SHA NO. 1: AT58251851 TMS NO. 0652	

PLOTTED: 04/04/2013  
FILE: \$FILES

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

**HUNGERFORD DRIVE (MD 355) AND  
N. WASHINGTON STREET/GIANT FOODS DR**  
ROCKVILLE, MD

TRAFFIC SIGNALIZATION PLAN	
SCALE 1"=20'	DATE _____ CONTRACT NO. M-982-376
DESIGNED BY: MIKE BINDER	COUNTY: MONTGOMERY
DRAWN BY: STEVEN RENZI	LOGFILE: 15035510.00
CHECKED BY: STEVEN RENZI	TMS NO.: G682
F.A.P. NO. _____	TOD NO. _____
TS NO.: 376 G	DRAWING SG-01 OF 03
SHEET NO. 1 OF 3	



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